

HISTORY KEPT YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		ILLINOIS HIGHWAY INFORMATION SYSTEM STRUCTURE INFORMATION AND PROCEDURE MANUAL	
NBIS REQUIRED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		ITEM NAME CHANNEL & CHANNEL PROTECTION CONDITION	ITEM NO. 61 PAGE 1 of 2 EFF. DATE 07/01/02
		ISIS	MMIS
RESPONSIBLE FOR UPDATE	District Local Roads	District Maintenance / Operations	
STRUCTURES	Local	State	
UPDATE SCREENS	(12) Inspection/Appraisals	(2) Inspection	
INQUIRY SCREENS	(4) Inspection/Appraisals	(2) Inspection 1 of 2	

DESCRIPTION AND PURPOSE OF ITEM

This item describes the physical conditions associated with the flow of water through the bridge such as stream stability and the condition of the channel, riprap, slope protection, or stream control devices including spur dikes.

The inspector should be particularly concerned with visible signs of excessive water velocity that may affect undermining of slope protection or footings, erosion of banks, and realignment of the stream that may result in immediate or potential problems.

The elements on the inspection form may be recorded on the form using the rating scales described under "Element Ratings - General" (refer to Item No. Composite which follows Item No. 58-62, Item Name "Condition Ratings – General." Also see Appendix E, Form BBS-BIR-1). These elements include the streambed, slopewalls & rip-rap, stream banks and spur dykes & jetties. Element condition may affect the overall condition rating.

Needed repairs should be recorded on designated forms and reported to appropriate personnel in accordance with the policies of the maintaining agency.

History is retained for this item based on each Inspection Date - Item 90.

CODE AND SCREEN ENTRY INSTRUCTIONS

Rate and enter the condition code in accordance with the previously described Condition Ratings – General (Item No. 58-62, pages 1 of 2 and 2 of 2) and the following descriptive codes:

Code	Description
N	NOT APPLICABLE. Use when bridge is not over a waterway.
9	EXCELLENT. There are no noteworthy deficiencies that affect the condition of the channel.
8	VERY GOOD. Banks are protected or well vegetated. River control devices such as spur dikes and embankment protection are not required or are in a stable condition.
7	GOOD. Bank protection is in need of minor repairs. River control devices and embankment protection have a little minor damage. Banks and/or channel may have minor amounts of drift not affecting the waterway opening.

ILLINOIS HIGHWAY INFORMATION SYSTEM

STRUCTURE INFORMATION AND PROCEDURE MANUAL

ITEM NAME **CHANNEL & CHANNEL PROTECTION CONDITION**

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<u>Code</u>	<u>Description (cont'd)</u>
6	SATISFACTORY. Bank is beginning to slump. River control devices and embankment protection have widespread minor damage. There is minor streambed movement evident. Debris is restricting the waterway slightly.
5	FAIR. Bank protection is being eroded. River control devices and/or embankment have major damage. Trees and brush restrict the channel.
4	POOR. Bank and embankment protection is severely undermined. River control devices have severe damage. Deposits of debris in the waterways are severely restricting the opening.
3	SERIOUS. Bank protection has failed. River control devices have been destroyed. Streambed aggradation, degradation or lateral movement has changed the waterway to now threaten the bridge and/or approach roadway.
2	CRITICAL. The waterway has changed to the extent the bridge is near a state of collapse.
1	IMMINENT FAILURE. Bridge closed. Corrective action may return bridge to light service.
0	FAILED. Bridge closed. Replacement necessary.